



MISSISSIPPI STATE
UNIVERSITY™

INVITATION FOR BIDS

OFFICE OF PROCUREMENT & CONTRACTS

1. INSTRUCTIONS FOR BIDDERS

- a. Sealed bids will be received in the Office of Procurement & Contracts, Mississippi State University, for the purchase of the items listed herein.
- b. All bids must be received in the Office of Procurement & Contracts on or before the bid opening time and date listed herein. Delivery of bids must be during normal working hours, 8:00 a.m. to 5:00 p.m. CST, except on weekends and holidays when no delivery is possible.
- c. Bidders shall submit their bids either electronically or in a sealed envelope.
 - i. Sealed bids should include the bid number on the face of the envelope as well as the bidders' name and address. Bids should be mailed to: 245 Barr Avenue, 610 McArthur Hall, Mississippi State, MS 39762.
 - ii. At this time we only accept non-ITS bids electronically. For electronic submission of bids, go to: https://www.ms.gov/dfa/contract_bid_search and use the RFX number on the next page as your reference number.
- d. All questions regarding this bid should be directed to the Office of Procurement & Contracts at 662-325-2550.

2. TERMS AND CONDITIONS

- a. All bids should be bid "FOB Destination"
- b. Bidders must comply with all rules, regulations, and statutes relating to purchasing in the State of Mississippi, in addition to the requirements on this form. General Bid Terms and Conditions can be found here:
https://www.procurement.msstate.edu/procurement/bids/Bid_General_Terms_May_2019_V2.pdf
- c. Any contract resulting from this Invitation for Bid shall be in substantial compliance with Mississippi State University's Standard Contract Addendum:
<https://www.procurement.msstate.edu/contracts/standardaddendum.pdf>

Bid Number/RFX Number: 21-21/RFX#3160004181

Submission Deadline: March 23, 2021 @2:00 p.m.

Description: Metal Building (Material Only)

Vendor Name: _____

Vendor Address: _____

Telephone Number: _____

Days the Offer is Firm: _____

Authorized Signature: _____

Name: _____

Title: _____

Item	Quantity	Description	Unit Price	Total Price
1	1	Metal Building (Materials Only) as per attached specifications and Drawings		
2		Alternate #1 Addition cost or deduct cost to furnish all secondary structural framing members galvanized coated (G-90). Per-galvanized coldform members is acceptable		

METAL BUILDING (Materials only)

13.1 METAL BUILDING

13.1.1 SCOPE:

- 13.1.1.1 Furnish material only for a metal building. Construction of the building is not a part of this contract. Building materials shall include all columns, rafters, endwall columns, purlins, girts, struts, clips, bracing, exterior covering, flashing, fasteners, and miscellaneous items necessary for a complete and weather tight structure as shown on the plans and described herein. Building materials shall be delivered to job site in Starkville, MS.

13.1.2 BUILDING:

- 13.1.2.1 Building shall be 130'-0" wide, 150'-0" long, 19' eave height, clear span, 2 to 12 slope building, per the drawings. West endwall is non-expandable with intermediate columns. East endwall is expandable with no intermediate columns, use stub columns. Building will be on pier footings (no slab).

- 13.1.2.2 Building shall have gutters and downspouts. The building shall have exterior girts on the sidewalls and the non-expandable endwall. The building end frame set-backs may be adjusted to meet the manufacturers standard.

- 13.1.2.3 Building shall have an unpainted galvalume roof. All building wall sheets are to be painted galvalume. All trim to be painted galvalume.

- 13.1.2.4 Insulation: None.

13.1.3 DESIGN:

13.1.3.1 General

- 13.1.3.1.1 All structural steel sections and welded plate members shall be designed in accordance with the latest edition of the AISC "Manual of Steel Construction".

- 13.1.3.1.2 All light gage cold formed, structural members and exterior covering shall be designed in accordance with the latest edition

of the AISI, "Cold Formed Steel Design Manual".

- 13.1.3.1.3 Provide continuous design drafting supervision and sealed drawings by a professional engineer, certified by the State of Mississippi.

13.1.3.2 Design Criteria

- 13.1.3.2.1 Building Code – International Building Code (2018 edition)
Live Load - 20 psf (reducible)
Ground Snow Load - 10 psf (Exp. 1.0)
Ultimate Design Wind Speed – 120 mph (Exp. B)
Collateral Load - 2 psf
Risk Category - II

13.1.4 DRAWINGS & CERTIFICATION:

- 13.1.4.1 Submit to owner a letter from the building manufacturer stating that the loads were applied, and the building was designed in accordance with the specified building code.
- 13.1.4.2 Submit to owner three sets of Building Permit Drawings prior to building fabrication.
- 13.1.4.3 Submit to owner five sets of final complete erection drawings and anchor bolt setting plans. Also, provide final drawings and packing list to the owner in "pdf" format.
- 13.1.4.4 The metal building manufacturer must be AC 472 accredited.
- 13.1.4.5 Building delivery will be determined after receipt of final Anchor Bolt drawings and reactions.

13.1.5 STRUCTURAL FRAMING:

13.1.5.1 General

- 13.1.5.1.1 All framing members shall be shop fabricated for bolted field assembly.
- 13.1.5.1.2 All hot rolled steel sheet, plate, and bar shall have a minimum of 36 ksi. All steel for light gage purlins and girts shall have a minimum

yield point of 50 ksi.

- 13.1.5.1.3 All field connections shall be bolted. All bolts for secondary framing to be a minimum of ½ inch diameter bolts. All primary structural members to be field bolted with ASTM Specification A-325 bolts and nuts.
- 13.1.5.2 All Primary Structural Members shall be mill sections or welded built-up "I" shapes. All flange-to-web welding for built-up sections shall be continuous for the length of the section.
- 13.1.5.3 Purlins and Girts -- Purlins and girts shall be roll-formed "C" or "Z" sections of depth and gage as needed to conform to the particular design criteria.
- 13.1.5.4 Eave Struts -- Eave struts shall be a "C" section used to properly and adequately receive both the roof sheets and wall sheets and to serve as a compression member to transfer wind loads.
- 13.1.5.5 Wind Bracing -- Adequate wind bracing shall be provided to resist specified wind loads. Cable bracing will be allowed as shown on the drawings. No "fixed base" columns will be allowed.
- 13.1.5.6 Flange Bracing -- The compression flange shall be laterally supported so that the allowable compressive stress is not exceeded.
- 13.1.5.7 Sag Channels -- NA.
- 13.1.5.8 Base Condition -- NA.
- 13.1.5.9 Primer -- All primary and secondary structural framing members which are not galvanized or otherwise coated shall be cleaned and given one shop coat of manufacturers' standard **grey** primer.

13.1.6 ROOF & WALL COVERINGS:

- 13.1.6.1 Roof Coverings -- All exposed roof covering shall be 26 gauge unpainted galvalume, "PBR" panels with 20 year warranty. Fasteners shall be carbon steel with a long-life zinc-alloy head, finished to match roof panel, and assembled with an EPDM washer. Roof ridge cap shall be furnished as a wide "ridge roll" with no closures to allow ventilation.

- 13.1.6.2 Wall Coverings -- All exposed wall covering shall be 26 gauge painted galvalume (color to be equal to MBCI Light Stone), "PBR" panels with 20 year warranty. Fasteners shall be color coated to match panels.
- 13.1.6.3 NA
- 13.1.6.4 Sealer for side laps and end laps of the roof and for flashing (where required) shall be ½" wide x 3/32" thick, dark gray pressure sensitive tape. Service temperature range is from 40°F to 325°F.
- 13.1.6.5 All trim and gutters/downspouts to be painted galvalume (Light Stone).
- 13.1.6.6 Closures shall be solid cell, rubber or neoprene, preformed to match panel configuration. Inside Closures shall be furnished for the roof panels at the eaves of the building. No other closures are required.

13.1.8 ANCHORAGE:

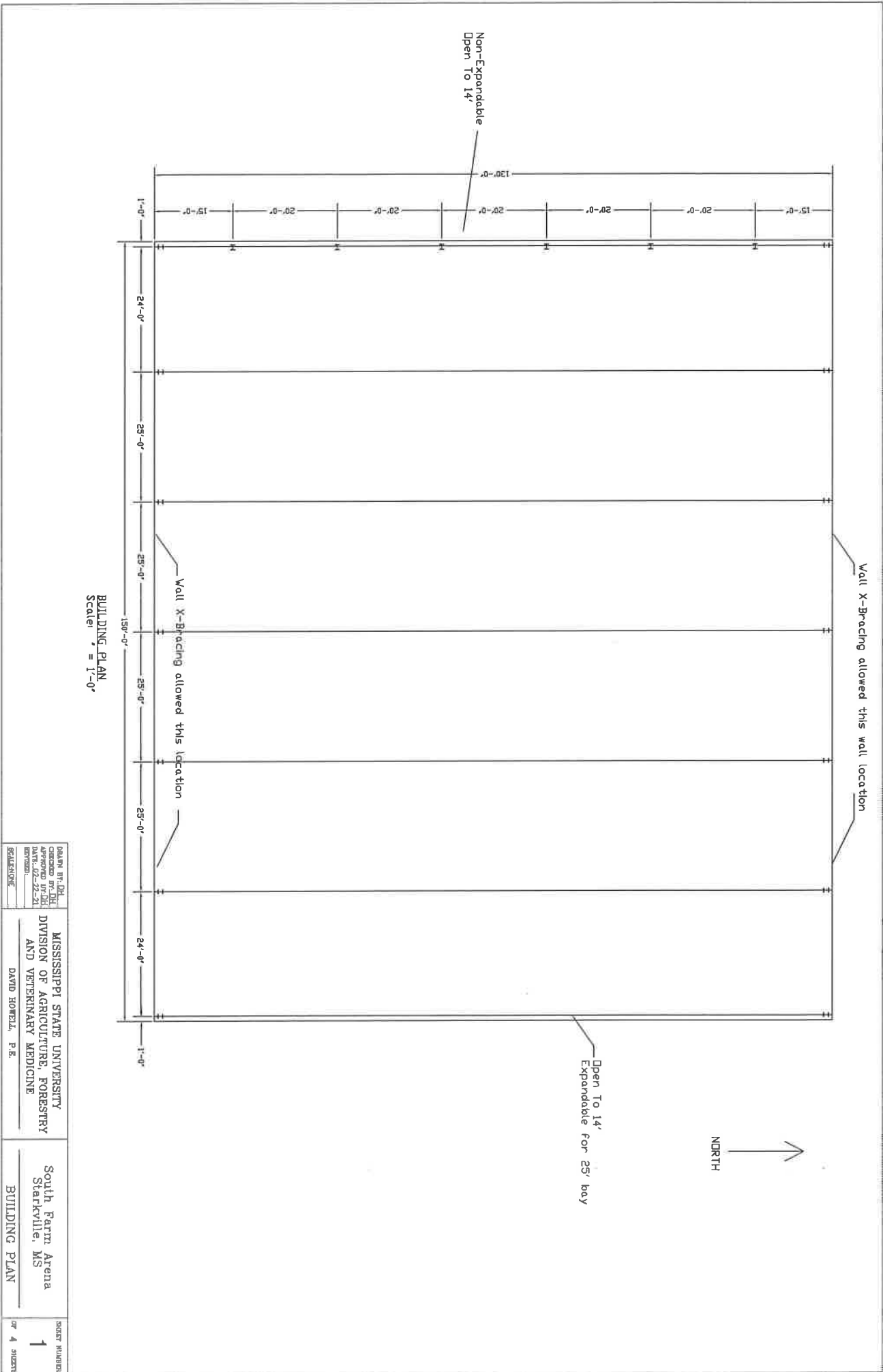
- 13.1.8.1 The building anchor bolts shall be designed to resist the maximum column reactions resulting from the specified combinations of loadings. The quantity, location, and diameter of these anchor bolts and the minimum projection of these anchor bolts above the foundation concrete shall be specified by the metal building manufacturer. The anchor bolts will be provided by the owner.

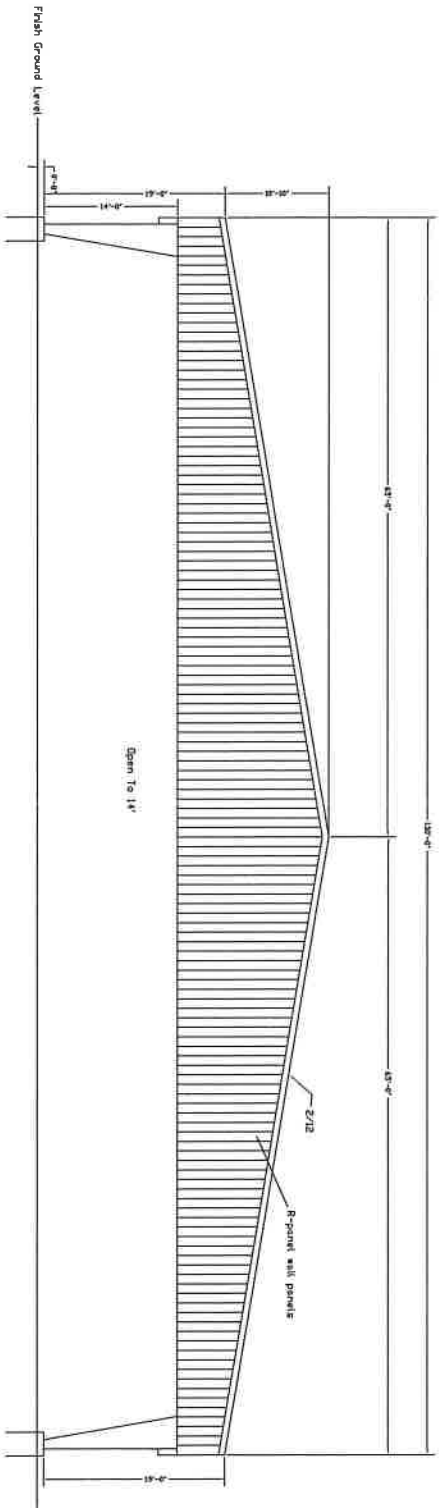
Form of contract will be a Purchase Order from Mississippi State University

Final Anchor Bolts and Permit Drawings must be submitted within 3 weeks of receipt of Purchase Order

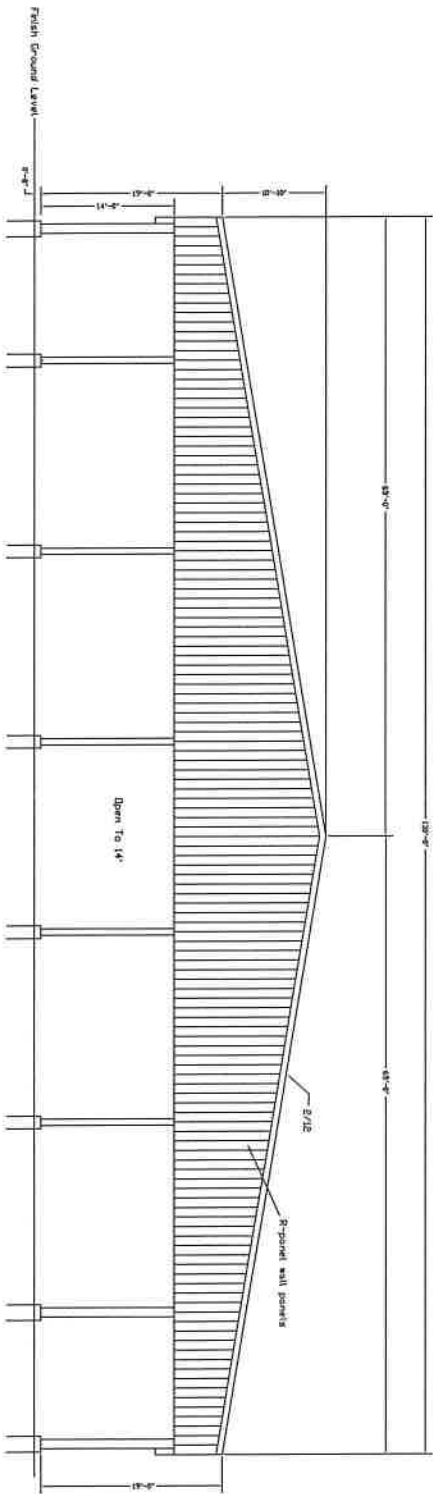
Base Bid: The base bid shall include the materials as described above.

Alternate #1: Additional cost or deduct cost to furnish all secondary structural framing members galvanized coated (G-90). Pre-galvanized coldform members is acceptable





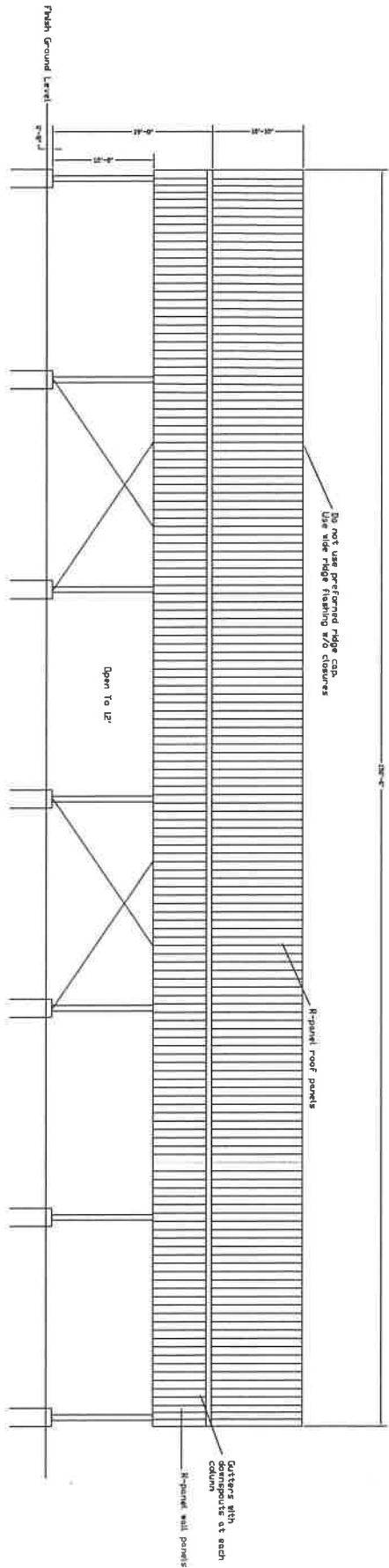
EAST ELEVATION



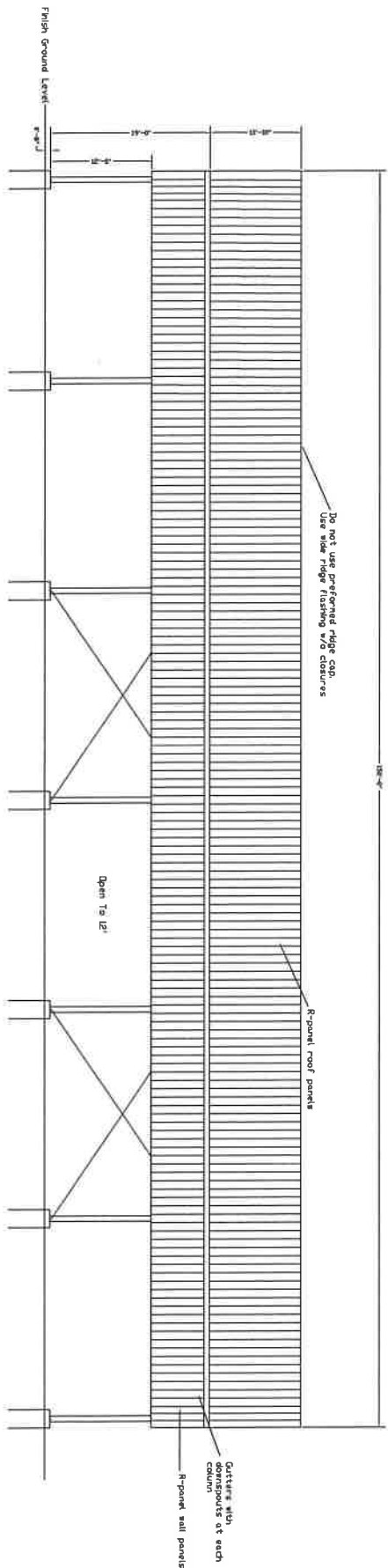
WEST ELEVATION

DRAWN BY: J.H.H. CHECKED BY: J.H.H. APPROVED BY: J.H.H. DATE: 07-22-21 REVISION: SCALE: 1/8" = 1'-0"	MISSISSIPPI STATE UNIVERSITY DIVISION OF AGRICULTURE, FORESTRY AND VETERINARY MEDICINE DAVID HOWELL, P.E.	South Farm Arena Starkville, MS	SHEET NUMBER 2 OF 4 SHEETS
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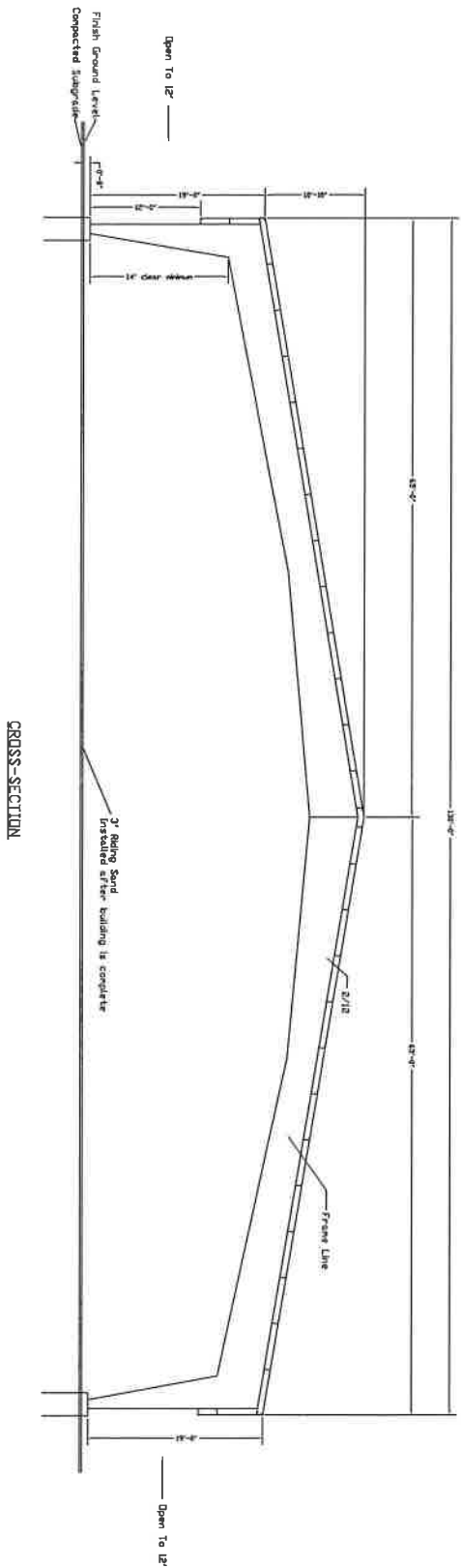
END ELEVATIONS



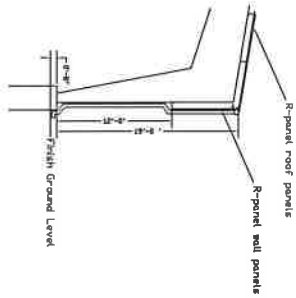
NORTH ELEVATION



SOUTH ELEVATION



CROSS-SECTION



Gutter/Downspout Detail

DESIGNED BY: D.H.	MISSISSIPPI STATE UNIVERSITY	SHEET NUMBER
CHECKED BY: D.H.	DIVISION OF AGRICULTURE, FORESTRY	4
APPROVED BY: D.H.	AND VETERINARY MEDICINE	OF 4 SHEETS
DATE: 02-22-21	DAVID HOWELL, P.E.	
SCALE: 1/8" = 1'-0"		
	SIDEWALL ELEVATION	

South Farm Arena
Starkville, MS